

April 08, 2016

ATC Associates  
46555 Humboldt Dr.  
Suite 100  
Novi, MI 48377

Subject: Pulaski ES/MS  
188BS16170

Dear Mr. Smith :

Thank you for making Brighton Analytical, L.L.C. your laboratory of choice. Attached are the results for the samples submitted on 04/01/2016 for the above mentioned project. NELAP/TNI Accredited Analysis and MDEQ Drinking Water Certified Analysis will be identified in their respective reporting formats. Hard copies can be supplied at your request for a fee of \$20.00 per copy.

The invoice for this project will be emailed separately. If you have any questions concerning the data or invoice, please don't hesitate to contact our office. We welcome your comments and suggestions to improve our quality systems. Please reference Brighton Analytical, L.L.C. Project ID 38321 when calling or emailing. We thank you for this opportunity to partner with you on this project and hope to work with you again in the future.

Sincerely,  
Brighton Analytical, L.L.C.



Brighton Analytical, L.L.C.<sup>TM</sup>  
Email: balt-brighton@shcglobal.net  
2105 Pless Drive  
Brighton, MI 48114  
Phone: 810-229-7575  
Fax: 810-229-8650

BA PROJECT #  
**38521**

Analysis Requested/Method

PAGE \_\_\_\_ OF \_\_\_\_  
COMPANY/MAILING ADDRESS:

PROJECT NAME: **PULASKI ES/MS**

PROJECT #: **1888516170**

PO #: (PLEASE NOTE IF DIFFERENT BILLING ADDRESS)

ABBREVIATIONS  
FOR MATRIX  
S = Solid  
L = Liquid  
DW = Drinking H<sub>2</sub>O  
O = Oil  
P = Waste  
A = Air (Tedlar Bag)  
F = Filter  
T = Tube  
M = Misc.

Sample collected by: **KEVIN KLAVIS**

REQUESTED TURNAROUND: (circle one)  
Rush: 1-3 business days (verify with lab & specify date needed)  
1 Day = 2.5X Cost 2 Day = 2X Cost 3 Day = 1.5X Cost  
Standard: 5 business days

If RUSH,  
approved by:

Sample Coll.

VOA'S (PRES) Y N N/A

HDPE UNPRESERVED

HDPE HNO<sub>3</sub>

HDPE H<sub>2</sub>SO<sub>4</sub>

HDPE NaOH

AMBER PRESERVED?

GLASS, NO PRESERVATIVE

STERILIZED BACTERIA

MEOH Preserved Y N

Container Type & Quantity

Sample Matrix

COPPER - PRIMARY (P)

LEAD - PRIMARY (P)

COPPER - FLUSH (F) HOLD

LEAD - FLUSH - (F) HOLD

BILLING ADDRESS (IF REQUIRED):

Drinking H<sub>2</sub>O:

Fax to LCHD? yes ☐ no ☒

Chlorinated Water Supply? yes ☒ no ☐

AMT: **NA**

MCL Failure: yes ☐ no ☐

Client Notified (date/time/initials):

Temperature of samples °C: **4**

pHs verified in login? yes ☒ no ☐

Headspace/bubbles in VOA's? yes ☐ no ☐ n/a ☒

Sample containers and COC match? yes ☒ no ☐

ATTN: **Robbert Smith**

PHONE: **248 669-5140**

FOX OR EMAIL: **Robbert.Smith@atccassavantes.com**

Samples received within hold time? yes ☒ no ☐ can

ATC GROUP SERVICES

46555 HUMBOLDT AVE

NOVI, MI, 48377

248 669-5140

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Special Instructions: **15 LEAD OR COPPER EXCEED DETECTION LIMIT - ANALYZE FLUSH SAMPLES**

Please fill out the Chain of Custody completely and review. Incorrect or incomplete information will result in a "hold" on all analyses.

Trans. #	RELINQUISHED BY:	RECEIVED BY:	DATE:	TIME:	Trans. #	RELINQUISHED BY:	RECEIVED BY:	DATE:	TIME:
1	<i>[Signature]</i>	<i>[Signature]</i>	3/31	0830	3				
2	<i>[Signature]</i>	<i>[Signature]</i>	4/1/16	1200	4				



**Brighton Analytical LLC**  
2105 Pless Drive  
Brighton, Michigan 48114  
Phone: (810)229-7575 (810)229-8650  
e-mail: bai-brighton@sbcglobal.net  
MDNRE Certified #9404  
NELAC Accredited #176507

Sample Date/Time: 3/31/2016 10:57  
Submit Date/Time: 4/1/2016 12:00  
Report Date: 4/8/2016

ATC Associates  
46555 Humboldt Dr.  
Suite 100  
Novi, MI 48377

BA Project # **38321**  
BA Sample ID **CC08856**

Project Name: **Pulaski ES/MS**  
Project Number: **188BS16170**  
Sample ID: **1-KS-P-PE-Kitchen**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
<b>Drinking Water Metal Analysis</b>							
Total Copper (Drinking Water)	170	ug/L	20	1300	EPA 200.8 rev5.4	15:06	04/07/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	15:06	04/07/2016

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by

Date

  
4/8/16



**Brighton Analytical LLC**  
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e-mail: bai-brighton@sbcglobal.net  
MDNRE Certified #9404  
NELAC Accredited #176507

Sample Date/Time: 3/31/2016 11:01  
Submit Date/Time: 4/1/2016 12:00  
Report Date: 4/8/2016

ATC Associates  
46555 Humboldt Dr.  
Suite 100  
Novi, MI 48377

BA Project # **38321**  
BA Sample ID **CC08858**

Project Name: **Pulaski ES/MS**  
Project Number: **188BS16170**  
Sample ID: **2-DWF-P-PE-Hall @ Gym**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
<b>Drinking Water Metal Analysis</b>							
Total Copper (Drinking Water)	130	ug/L	20	1300	EPA 200.8 rev5.4	14:38	04/07/2016
Total Lead (Drinking Water)	3	ug/L	1	15	EPA 200.8 rev5.4	14:38	04/07/2016

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by 

Date 4/8/16





**Brighton Analytical LLC**  
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e-mail: bai-brighton@sbcglobal.net  
MDNRE Certified #9404  
NELAC Accredited #176507

Sample Date/Time: 3/31/2016 11:06  
Submit Date/Time: 4/1/2016 12:00  
Report Date: 4/8/2016

ATC Associates  
46555 Humboldt Dr.  
Suite 100  
Novi, MI 48377

BA Project # **38321**  
BA Sample ID **CC08860**

Project Name: **Pulaski ES/MS**  
Project Number: **188BS16170**  
Sample ID: **3-DWF-P-PE-Hall @107**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
<b>Drinking Water Metal Analysis</b>							
Total Copper (Drinking Water)	20	ug/L	20	1300	EPA 200.8 rev5.4	14:43	04/07/2016
Total Lead (Drinking Water)	5	ug/L	1	15	EPA 200.8 rev5.4	14:43	04/07/2016

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by

Date

  
4/8/16



BRIGHTON ANALYTICAL, LLC

QUALITY ASSURANCE/QUALITY  
CONTROL

# ICP-MS

## METHOD 6020

### REPRESENTATIVE BATCH PRECISION AND ACCURACY QUALITY CONTROL SUMMARY

Analysis Date: 4/7/2016	Standard ID: 033116 H2O	Batch: 4/1/2016 W11
Matrix Spike Lab ID: CC08866	Matrix: Total	Analyst: LT

Metals	Matrix Spike - Precision *			Matrix Spike - Accuracy**				Miscellaneous***		
	Matrix Spike (ug/kg)	Matrix Spike Dup (ug/kg)	RPD (%)	Spk Conc (ug/kg)	MS Recovery (%)	MSD Recovery (%)	Sample Conc (ug/kg)	Method Blk (ug/kg)	LCS-Method STD (%)	Ind. Std. (%)
Copper	1133	1125	0.7	1000	99.6	98.8	137	<20	102.4	100.9
Lead	962	957	0.5	1000	96.0	95.5	2	<1	97.7	93.1

\* Matrix spike precision range +/- 20% RPD

\*\* Matrix spike accuracy range +/- 20% recovery

\*\*\* LCS accuracy range +/- 15% recovery / Ind std accuracy range +/- 10% recovery

Comments: \_\_\_\_\_